

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|---|------------------|---------|------------------|
| S1 | 220 | 345/48.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 16:56 |
| S2 | 3459 | 345/87.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:39 |
| S3 | 3084 | S2 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:39 |
| S4 | 28 | S3 and (pulse with width with low) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/02 19:45 |
| S5 | 345 | S3 and (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/02 19:46 |
| S6 | 177 | S3 and driv\$3 with (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:40 |
| S7 | 153 | S3 and driv\$3 near10 (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/02 18:42 |
| S8 | 12551 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:07 |
| S9 | 10830 | S8 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/02 19:45 |

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| S10 | 141 | S9 and (pulse\$1 with width with low) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/02 20:17 |
| S11 | 0 | S9 and (low adj1 voltage\$1) with (variable adj1 width\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/02 19:47 |
| S12 | 4 | S9 and (low adj1 voltage\$1) with (width\$1 adj1 modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:38 |
| S13 | 0 | ("2001/0048419").URPN. | USPAT | OR | ON | 2006/09/02 20:04 |
| S14 | 3 | ("5801671").URPN. | USPAT | OR | ON | 2006/09/02 20:10 |
| S15 | 1 | ("2004/0155853").URPN. | USPAT | OR | ON | 2006/09/02 20:20 |
| S16 | 0 | ("2004/0119678").URPN. | USPAT | OR | ON | 2006/09/02 20:25 |
| S17 | 0 | ("2004/0119678").URPN. | USPAT | OR | ON | 2006/09/02 20:25 |
| S18 | 20 | ("20020101166" "20030025462" "20030030386" "20030090913" "20030161164" "20030214655" "20050156536" "20050162098" "5272327" "5487181" "6114814" "6316881" "6388388" "6396217" "6396722" "6501234" "6633138" "6703796" "6761470" "6762741").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/02 21:05 |
| S19 | 6 | ("20010040543" "20010040546" "20020008688" "20020158830" "5705411" "6243061").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/02 21:08 |
| S20 | 9 | ("5945972" "5977940" "6005558" "6160533" "6246386" "6348909" "6441829" "6525709" "6636194").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/02 21:39 |
| S21 | 2 | ("5724057" "6542141").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/02 21:51 |

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| S22 | 16 | ("4171524" "4353062" "4678282" "4743096" "4945352" "5091722" "5159325" "5280280" "5325107" "5508711" "5614922" "5627558" "5684501" "5852425" "6243061" "6271817").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/02 22:20 |
| S23 | 2 | ("20020149720").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/02 22:20 |
| S24 | 12551 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:37 |
| S25 | 10830 | S24 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:38 |
| S26 | 4 | S25 and (low adj1 voltage\$1) with (width\$1 adj1 modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:39 |
| S27 | 46 | S25 and low with (width\$1 adj1 modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:54 |
| S28 | 220 | 345/48.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:12 |
| S29 | 198 | S28 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 19:20 |
| S30 | 0 | S29 and low with (width\$1 adj1 modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:54 |

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| S31 | 5 | S29 and (width\$1 adj1 modulat\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 18:54 |
| S32 | 2 | ("20020149720").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/04 19:25 |
| S33 | 0 | S25 and width\$1 with modulat\$4 with "3.3" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 19:26 |
| S34 | 0 | S25 and width\$1 with modulat\$4 with cell with gap | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 19:26 |
| S35 | 13 | S25 and width\$1 with cell with gap | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/04 19:27 |
| S36 | 3 | ("6222517").URPN. | USPAT | OR | ON | 2006/09/04 19:30 |

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| S37 | 54 | ("4367924" "4674839" "4697887" "4738515" "4778260" "4830467" "4836656" "4838652" "4878740" "4902107" "4925277" "4930875" "4932759" "4958912" "4958915" "5026144" "5033822" "5034735" "5041821" "5058994" "5091784" "5132818" "5136282" "5262881" "5267065" "5298914" "5321419" "5469281" "5471229" "5485173" "5506601" "5508716" "5519411" "5521727" "5532713" "5583534" "5592190" "5592191" "5598299" "5602562" "5606343" "5627559" "5638195" "5646755" "5657038" "5673062" "5682177" "5689320" "5691740" "5717421" "5734367" "5754154" "5796381" "5808594").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/09/04 19:39 |
| S38 | 12689 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 17:11 |
| S39 | 10885 | S38 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 17:39 |
| S40 | 585 | S39 and driv\$3 with (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 17:12 |
| S41 | 33 | S39 and driv\$3 with (low adj1 voltage\$1) with width\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 17:39 |

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| S42 | 221 | 345/48.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 17:38 |
| S43 | 199 | S42 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 19:25 |
| S44 | 0 | S43 and driv\$3 with (low adj1 voltage\$1) with width\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/09/30 17:39 |
| S45 | 2 | ("5317307").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/30 19:27 |
| S46 | 2 | ("20020191235").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/30 19:29 |
| S47 | 2 | ("20030053023").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/09/30 19:29 |
| S48 | 12689 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:47 |
| S49 | 10885 | S48 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:48 |
| S50 | 1 | S49 and frequency with "120 hertz" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:51 |
| S51 | 0 | S49 and greater with "120 hertz" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:51 |

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| S52 | 0 | S49 and gap with less with "1 micron" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:52 |
| S53 | 0 | S49 and space with less with "1 micron" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:53 |
| S54 | 0 | S49 and space with "1 micron" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:53 |
| S55 | 2 | S49 and gap with "1 micron" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 11:53 |
| S56 | 12689 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 18:09 |
| S57 | 10885 | S56 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:08 |
| S58 | 0 | S57 and retardation with less with quarter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:09 |
| S59 | 0 | S57 and retardation with less with "1/4" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:09 |
| S60 | 0 | S57 and retard\$5 with less with "1/4" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:14 |
| S61 | 0 | S57 and retard\$5 with less with quarter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:11 |

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| S62 | 16 | S57 and retard\$5 with quarter | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:11 |
| S63 | 0 | S57 and retard\$5 with less with "1/6" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:14 |
| S64 | 0 | S57 and retard\$5 with "1/6" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:14 |
| S65 | 0 | S57 and retard\$5 with "1/8" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/01 14:14 |
| S66 | 224 | 345/48.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 16:56 |
| S67 | 199 | S66 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 17:03 |
| S68 | 8 | S67 and driv\$3 with (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 17:04 |
| S69 | 3656 | 345/87.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 17:03 |
| S70 | 3177 | S69 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 17:03 |
| S71 | 188 | S70 and driv\$3 with (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 17:07 |

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| S72 | 13623 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 18:09 |
| S73 | 11134 | S72 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 18:10 |
| S74 | 611 | S73 and driv\$3 with (low adj1 voltage\$1) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/11 18:10 |
| S75 | 3954 | 345/87.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:00 |
| S76 | 3243 | S75 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:00 |
| S77 | 2861 | S76 and driv\$3 with (low adj1 voltage\$1) or (less near10 "3.3") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:44 |
| S78 | 1 | S76 and driv\$3 with (less near10 "3.3") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:47 |
| S79 | 14925 | 345/87-104.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:46 |
| S80 | 11340 | S79 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 16:46 |
| S81 | 5 | S80 and driv\$3 with (less near10 "3.3") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:01 |

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| S82 | 122 | 345/38.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:00 |
| S83 | 112 | S82 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:12 |
| S84 | 0 | S83 and driv\$3 with (less near10 "3.3") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:00 |
| S85 | 12 | S80 and (less near10 "3.3") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:12 |
| S86 | 44501 | "349"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:12 |
| S87 | 35922 | S86 and @ad<"20030930" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:12 |
| S88 | 9 | S87 and (less near10 "3.3") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/11/24 17:13 |
| S89 | 2 | ("6762743").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/11/25 16:23 |